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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 DEC 21 IPC search and display fields enhanced in CA/CAPLUS with the
IPC reform
NEWS 4 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
NEWS 5 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
NEWS 7 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 8 JAN 17 IPC 8 in the WPI family of databases including WPIFV
NEWS 9 JAN 30 Saved answer limit increased
NEWS 10 JAN 31 Monthly current-awareness alert (SDI) frequency
added to TULSA
NEWS 11 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
visualization results
NEWS 12 FEB 22 Status of current WO (PCT) information on STN
NEWS 13 FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 14 FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 15 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 16 FEB 28 MEDLINE/LMEDLINE reload improves functionality
NEWS 17 FEB 28 TOXCENTER reloaded with enhancements
NEWS 18 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
property data
NEWS 19 MAR 01 INSPEC reloaded and enhanced
NEWS 20 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 21 MAR 08 X.25 communication option no longer available after June 2006
NEWS 22 MAR 22 EMBASE is now updated on a daily basis
NEWS 23 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 24 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
thesaurus added in PCTFULL
NEWS 25 APR 04 STN AnaVist \$500 visualization usage credit offered

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
<http://download.cas.org/express/v8.0-Discover/>

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:52:31 ON 07 APR 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:52:51 ON 07 APR 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 APR 2006 HIGHEST RN 879397-30-5

DICTIONARY FILE UPDATES: 5 APR 2006 HIGHEST RN 879397-30-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

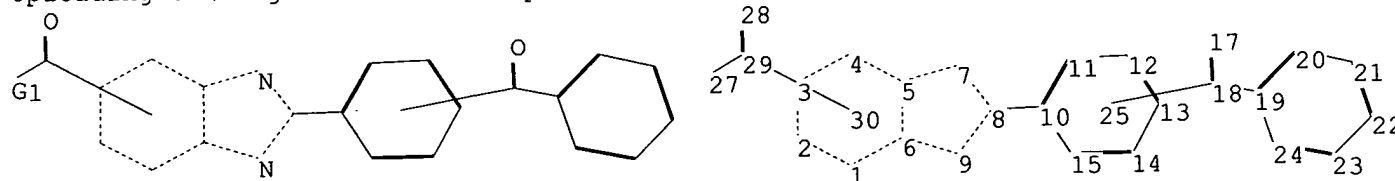
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10825823Amend.str



10825823amended

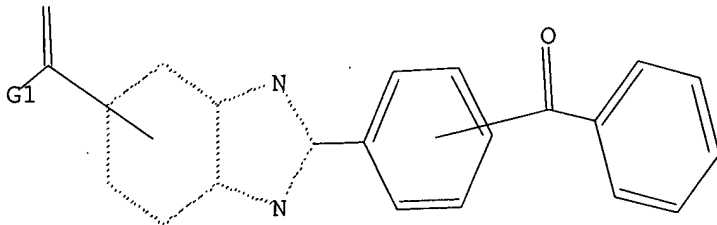
chain nodes :
17 18 27 28 29
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 19 20 21 22 23 24
chain bonds :
8-10 17-18 18-19 27-29 28-29
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15 19-20 19-24 20-21 21-22 22-23 23-24
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 17-18 27-29 28-29
exact bonds :
8-10 18-19
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15 19-20 19-24 20-21 21-22 22-23 23-24
isolated ring systems :
containing 10 :

G1:OH,NH2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 17:CLASS 18:CLASS 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 OH,NH2

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:53:21 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1460 TO ITERATE

100.0% PROCESSED 1460 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 26908 TO 31492
PROJECTED ANSWERS: 1 TO 80

10825823amended

L2 1 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 10:53:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 28353 TO ITERATE

100.0% PROCESSED 28353 ITERATIONS 18 ANSWERS
SEARCH TIME: 00.00.01

L3 18 SEA SSS FUL L1

=> fil hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'HCAPLUS' ENTERED AT 10:53:34 ON 07 APR 2006
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FILE COVERS 1907 - 7 Apr 2006 VOL 144 ISS 15
FILE LAST UPDATED: 5 Apr 2006 (20060405/ED)

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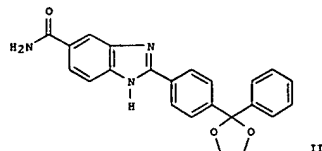
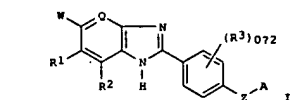
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 1 L3

=> d ed abs ibib hitstr

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 ED Entered STN: 29 Oct 2004
 GI

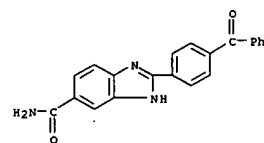


AB The invention relates to a preparation of benzimidazole and imidazo[4,5]pyridine derivs. of formula I [wherein: W is CO₂H, C(O)NH₂, or SO₂NH₂; Q is W or CH; R₁ and R₂ are independently selected from H and halogen; Z is C(O), CF₃, C=CH₂, or CH₂, etc.; A is -SO₂-piperidinyl derivative, SO₂ is attached to the N of piperidinyl; R₃ is absent or independently selected from OH, CF₃, alkyl, or NO₂, etc.], useful as inhibitors of Cds1 and useful as adjuvants to chemotherapy or radiation therapy in the treatment of cancer. For instance, benzimidazole derivative II (IC₅₀ = 55 nM) was prepared via heterocyclization of 3,4-diaminobenzamide and 4-(2-phenyl-[1,3]dioxolan-2-yl)benzaldehyde with a yield of 63% (example 1).

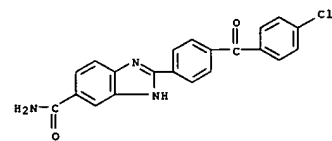
ACCESSION NUMBER: 2004:905625 HCAPLUS
 DOCUMENT NUMBER: 141:366232
 TITLE: A preparation of benzimidazole and imidazo[4,5]pyridine derivatives, useful as Cds1 inhibitors
 INVENTOR(S): Ameriks, Michael K.; Arienti, Kristen L.; Axe, Frank U.; Breitenbucher, J. Guy
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 54 pp.
 DOCUMENT TYPE: CODEN: USXXCO
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: English
 PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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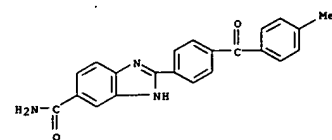
L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 780777-64-2P, 2-[4-(2-Methylbenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (prepn. of benzimidazole or imidazo[4,5]pyridine derivs., useful as Cds1 inhibitors)
 RN 780776-26-3 HCAPLUS
 CN 1H-Benzimidazole-5-carboxamide, 2-(4-benzoylphenyl)- (9CI) (CA INDEX NAME)



RN 780776-30-9 HCAPLUS
 CN 1H-Benzimidazole-5-carboxamide, 2-[4-(4-chlorobenzoyl)phenyl]- (9CI) (CA INDEX NAME)



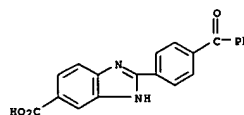
RN 780776-38-7 HCAPLUS
 CN 1H-Benzimidazole-5-carboxamide, 2-[4-(4-methylbenzoyl)phenyl]- (9CI) (CA INDEX NAME)



RN 780776-39-8 HCAPLUS
 CN 1H-Benzimidazole-5-carboxamide, 2-[4-(4-methoxybenzoyl)phenyl]- (9CI) (CA INDEX NAME)

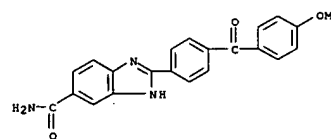
L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 US 2004214857 A1 20041028 US 2004-825823 20040416
 CA 2522562 AA 20041104 CA 2004-2522562 20040416
 WO 2004093873 A1 20041104 WO 2004-US11775 20040416
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CI, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, HR, NZ, SN, TD, TG
 EP 1613313 A1 20060111 EP 2004-759913 20040416
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
 PRIORITY APPLN. INFO.:
 US 2003-463542P P 20030417
 WO 2004-US11775 W 20040416

OTHER SOURCE(S): MARPAT 141:366232
 IT 780776-28-5P, 2-(4-Benzoylphenyl)-1H-benzimidazole-5-carboxylic acid
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of benzimidazole or imidazo[4,5]pyridine derivs., useful as Cds1 inhibitors)
 RN 780776-28-5 HCAPLUS
 CN 1H-Benzimidazole-5-carboxylic acid, 2-(4-benzoylphenyl)- (9CI) (CA INDEX NAME)

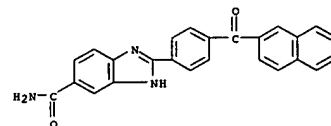


IT 780776-26-3P, 2-(4-Benzoylphenyl)-1H-benzimidazole-5-carboxylic acid amide 780776-30-9P, 2-[4-(4-Chlorobenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-38-7P, 2-[4-(4-Methylbenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-39-8P, 2-[4-(4-Methoxybenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-40-1P, 2-[4-(Naphthalen-2-carbonyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-42-3P, 2-[4-(4-Chloro-3-trifluoromethylbenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-44-5P, 2-[4-(3-Bromo-4,5-dimethoxybenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-49-0P, 2-[4-(3,4-Dichlorobenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-53-6P, 2-[4-(4-Ethylbenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780776-55-8P 780776-59-1P 780777-55-1P, 2-[4-(2,4-Dichlorobenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780777-62-0P, 2-[4-(2-Methoxybenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide

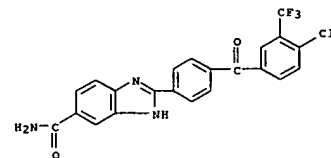
L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 780776-40-1 HCAPLUS
 CN 1H-Benzimidazole-5-carboxamide, 2-[4-(2-naphthalenylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)

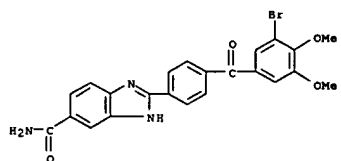


RN 780776-42-3 HCAPLUS
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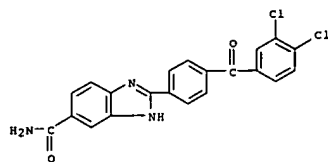


RN 780776-44-5 HCAPLUS
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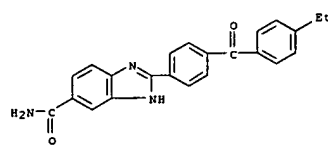
L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 780776-49-0 HCAPLUS
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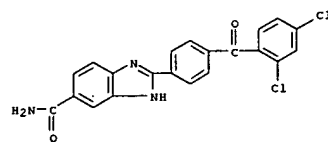


RN 780776-53-6 HCAPLUS
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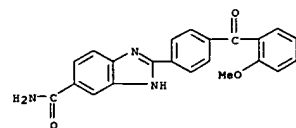


RN 780776-55-8 HCAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[4-(1,3-benzodioxol-5-ylcarbonyl)phenyl]- (9CI) (CA INDEX NAME)

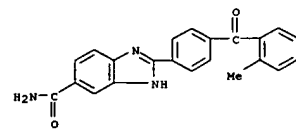
L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 780777-62-0 HCAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[4-(2-methoxybenzoyl)phenyl]- (9CI) (CA INDEX NAME)

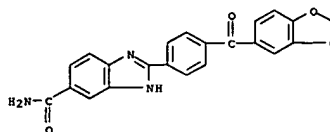


RN 780777-64-2 HCAPLUS
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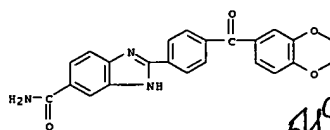


IT 780776-51-4P, 2-[4-(3,4-Dimethylbenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide 780777-58-4P, 2-[4-(2-Chlorobenzoyl)phenyl]-1H-benzimidazole-5-carboxylic acid amide
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzimidazole or imidazo[4,5]pyridine derivs., useful as Cdx1 inhibitors)
RN 780776-51-4 HCAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[4-(3,4-dimethylbenzoyl)phenyl]- (9CI) (CA INDEX NAME)

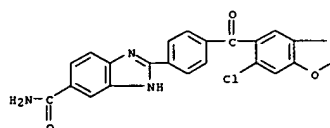
L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 780776-58-1 HCAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[4-[(1,3-dihydro-1,4-benzodioxin-6-yl)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

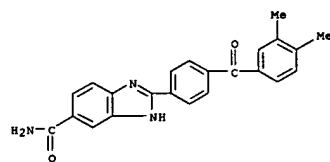


RN 780777-55-1 HCAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[4-[(6-chloro-1,3-benzodioxol-5-yl)carbonyl]phenyl]- (9CI) (CA INDEX NAME)

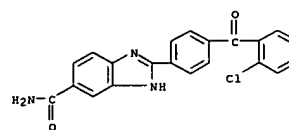


RN 780777-60-8 HCAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[4-(2,4-dichlorobenzoyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 780777-58-4 HCAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[4-(2-chlorobenzoyl)phenyl]- (9CI) (CA INDEX NAME)



10825823amended

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.64

174.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.75

-0.75

STN INTERNATIONAL LOGOFF AT 10:54:05 ON 07 APR 2006

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	390	514/394.ccls.	US-PGPUB	OR	ON	2006/04/07 16:43
L2	49	548/310.7,305.1.ccls.	US-PGPUB	OR	ON	2006/04/07 16:43
L3	27	I1 and I2	US-PGPUB	OR	ON	2006/04/07 16:43
S1	592	548/310.7,305.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/07 11:33
S2	1060	514/394.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/07 11:33
S3	125	S2 and S1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/07 13:30
S4	5	"6310082"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/07 14:37